

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (original) Use of a vulcanised thermoplastic elastomer or styrene-ethylene-butadiene- styrene polymer (SEBS) as infill material in artificial turf systems.
2. (original) Use of a vulcanised thermoplastic elastomer or SEBS according to claim 1 as infill material in artificial grass.
3. (currently amended) Use of a vulcanized thermoplastic elastomer according to ~~any one of claims 1-2~~ claim 1 wherein the vulcanised thermoplastic elastomer comprises a polyolefin and a rubber wherein the rubber is dynamically vulcanised by the use of a curing agent.
4. (original) Use of a vulcanized thermoplastic elastomer according to claim 3 wherein the polyolefin is chosen from polyethylene or polypropylene and the rubber is chosen from EPDM or EPM.
5. (currently amended) Use of a vulcanized thermoplastic elastomer according to ~~any one of claims 3-4~~ claim 3 wherein the rubber is dynamically vulcanised by a curing agent chosen from sulfur, sulfurous compounds, metal oxides, maleimides, phenol resins, silanes or peroxides.
6. (original) Use of a vulcanised thermoplastic elastomer according to claim 5 characterised in that the rubber is dynamically vulcanised by a peroxide.
7. (currently amended) Use of a vulcanised thermoplastic elastomer according to ~~any one of the claims 3-6~~ claim 3 wherein the rubber is vulcanised to a gel content higher than 70%.
8. (currently amended) Use of a vulcanised thermoplastic elastomer or SEBS according to claims 1 ~~or 2~~ for soccer fields, hockey fields or tennis fields.